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ABSTRACT

The resource guide for animal science education is divided into six subject areas: general animal science, beef, dairy, poultry, sheep, and swine. Within each of these areas, the guide provides bibliographic and availability data for relevant materials in the following forms: bulletins and circulars; textbooks; films, filmstrips, and slides; and commercial materials (literature, charts, aids). For each entry (other than textbook entries) the guide also includes a brief description of content. In addition, each entry is designated as primarily intended for student or teacher use. Finally, the guide lists addresses of relevant educational institutions, commercial companies, and textbook publishers. (JB)

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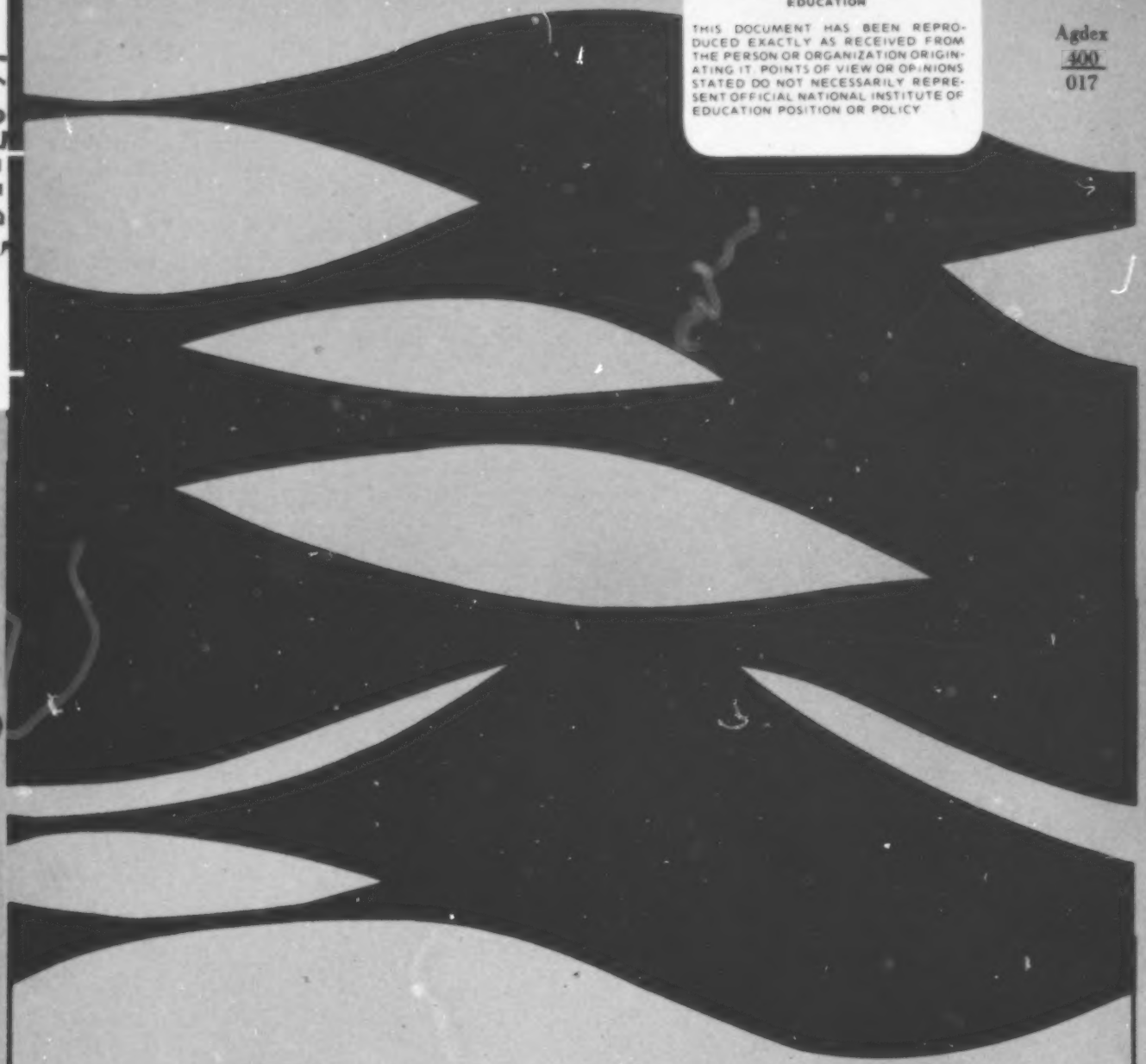

SELECTED REFERENCES AND AIDS FOR TEACHING ANIMAL SCIENCE

CE004863

Curriculum Materials for Agricultural Education

Agricultural Education, Department of Education
Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061

In Cooperation with
Agricultural Education Service, Division of Vocational Education
State Department of Education, Richmond, Virginia 23216

Prepared by L. E. Miller

Publication AS-6
1973

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SELECTED REFERENCES AND AIDS FOR TEACHING ANIMAL SCIENCE TO STUDENTS OF AGRICULTURAL EDUCATION

Curriculum Materials
for
Agricultural Education

Prepared by Larry E. Miller

Agricultural Education
College of Education
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061

In Cooperation with

Agricultural Education Service
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State Department of Education
Richmond, Virginia 23216

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Introduction

These references and teaching aids have been selected with one major purpose in mind -- that of helping you to quickly identify useful reference material in teaching animal science.

How To Use This Publication

This publication is divided into six major areas of concern. Materials listed in each area have been separated into four categories as follows:

1. Bulletins and Circulars
2. Textbooks
3. Films, Filmstrips, and Slides
4. Commercial Materials (literature, charts, aids)

Because titles alone are often not self-explanatory as to content descriptive comments have been included on all materials other than textbooks. It is strongly recommended that you secure an examination copy of each textbook before making a purchase of either single or multiple copies.

Since many sources have more than one type of material available, the source of an item is given only by a code number which appears in the last column.

It is not suggested that you have every reference and teaching aid appearing in this list. The number and types of references and aids needed will vary depending on the emphasis you give each instructural area, facilities, and other factors. Hence, no recommendations are made in this regard. However, one further attempt to be helpful has been made in the new listing. Materials starred with one (*) asterisk are recommended as especially suitable for classroom use with students -- meaning that they are written at the student level of understanding and that you may wish to secure multiple copies. Materials starred with two (**) astericks are recommended as references suited primarily for teacher use, one copy probably will be sufficient.

Abbreviations and other codes used throughout the publication:

F	-16mm, sound film
F.S.	-filmstrip
S	-slides
B & W	-black and white
C	-color
fr.	-frames
Min.	-minutes
s.c.	-single copy
l.q.	-limited quanity
Rev.	-revised
Rep.	-reprinted
Bul.	-bulletin
Book.	-booklet
Pam.	-pamphlet
Man.	-manual
Cir.	-circular
Cop.	-copies

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A Virginia Polytechnic Institute and State University
Extension Division
Education Field Service Publication

GENERAL ANIMAL SCIENCE

Bulletins and Circulars

Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
* Artificial Insemination of Livestock	VAS 1002	8	--	Contains General information and technique	.10	3
** Catalog of Plans, Digests and Books	AE-70	16	1967	A catolog for numerous facilities and buildings	Free	15
* Castrating, Docking, and Dehorning	VAS-1032	8	--	Covers general techniques and procedures	.10	3
* Dairy Goats	Pub-439	77	1966	An excellent reference on breeding, feeding and management	Free	13
* Digestion in Animals	VAS-1026	8	--	Covers ruminants and non-ruminants	.10	3
** Films of the U.S.D.A.	--	87	--	A catalog of more than 300 titles covering all phases of agriculture	Free	4
* General Facts on Livestock Feeding	VAS-1013	8	--	----	.10	3
* Improving Animals Through Breeding	VAS-1009	16	--	Contains general information and importance of selective breeding	.20	3
* Indiana Livestock - Feed Price Ratios	EC-275	--	1963	Shows the price that can be spent for feed when various market prices are in effect	Free	1
* Judging Livestock	VAS-1019	24	--	----	.30	3

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1. Bulletins and Curculars

Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
* Minerals for Livestock	VAS-1018	8	--	Covers the need and sources of the essential minerals	.10	3
** A Reference Unit on: Basic Principles of Animal Science	--	46	1965	This is first of a series distributed to ag.teachers in Mississippi	--	6
* Shipping Fever and Related Diseases	VY-23	--	1966	Includes symptoms, treatment, and prevention	Free	1
* Livestock Breeding	400/30	194	1970		2.00	2
Livestock Feeding	400/50			(Under-Development 8/70)	--	2

GENERAL ANIMAL SCIENCE

2. Textbooks

	Title	Author	Year Pub.	Cost	Source
*	Animal Nutrition	Maynard and Loosli	1962	11.25	82
**	Animal Sanitation and Control	Dykstra	1961	5.75	73
*	Animal Science	Ensminger	1962	7.95	87
*	Approved Practices in Feeds and Feeding	Cassard and Juergenson	1963	3.75	87
**	Artificial Insemination of Dairy and Beef Cattle	Herman and Madden	1963	5.50	42
**	Artificial Insemination of Farm Animals	Perry, et. al.	1960	10.00	77
*	The Behavior of Domestic Animals	Hafez	1962	13.50	79
**	Breeding and Improvement of Farm Animals	Rice, Andrews, Warwick & Legates	1967	12.00	82
*	Feeds and Feeding (Abridged) (Late Edition)	Morrison	--	4.75	73
*	Feed Formulations Handbook	Perry	--	4.95	87
**	Genetics of Livestock Improvement	Lasley	1963	10.25	75
**	Infectious Diseases of Domestic Animals	Merchant and Barner	1964	7.95	76
*	Introduction to Livestock Production	Cole	1962	8.75	84
*	Introductory Animal Science	Anderson and Kiser	1963	10.95	74
*	Judging Livestock, Dairy Cattle, Poultry & Crops	Youtz and Carlson	1962	7.02	75

2. Textbooks

Title	Author	Year Pub.	Cost	Source
* Livestock Judging Handbook (Being revised)	Nordby, Beeson, and Fourt	1962	4.76	73
* Livestock and Poultry Production	Bundy and Diggins	1961	8.19	75
** Management of Farm Animal Wastes	----	1967	5.00	12
* The Meat We Eat	Ziegler	1966	6.25	73
** Physiology of Reproduction and Artificial Insemination of Cattle	Salisbury & Vandemack	1961	12.50	84
** The Practice of Veterinary Medicine	Udall	--	8.50	73
** Principles of Genetics	Gardner	1964	8.00	78
** Reproduction in Farm Animals	Hafez	1962	12.00	80
* Self Study Guide in Animal Science	Brakensiek & Phipps	--	3.00	73
* The Stockman's Handbook	Ensminger	1962	8.80	87
* The Science of Animals that Serve Mankind	Campbell and Lasley	1970	11.25	82
** Catalog of Books		1970-71	Free	83

GENERAL ANIMAL SCIENCE

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
An American Beauty	F	25 Min C	Shows the preparation and processing of meats and meat products	1.00 Loan	5
Bovine Contagious Pleuropneumonia	F	28 Min C	Covers incidence, symptoms and control of this disease	1.00 Loan	5
By-Products	F	10 Min C	Animated cartoon illustrating the many uses of scraps from livestock slaughter	1.00 Loan	5
Corralling Shipping Fever	F	14 Min C	Tells the history, symptoms, problems, and treatment	Free Loan	17
Do Unto Animals	F	22 Min B & W	Shows the injuries incurred in marketing livestock when improper transportation methods and equipment are used	1.00 Loan	5
Dynamics of Animal Agriculture	F	26 Min C	Shows the nation's prosperity due to animal protein	Free Loan	17
Feeding Farm Animals	F	18 Min B & W	Covers feeding according to production	1.00 Loan	5
Growth of a Nation	F	34 Min B & W	Covers the history and importance of good feeding	1.00 Loan	5
March of Progress	F	18 Min C	Tells the modern livestock market changes in production , transportation and slaughtering	Free Loan	22
Meat On the Move	F	28 Min C	Covers transporting, selling, slaughtering and processing of meat	2.50 Loan	5
New Ideas in Livestock Production	F	26 Min C	Shows breeds and operations of beef, dairy, and swine	Free Loan	35

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Old McDonald	F	27 Min C	Shows why meat, milk, and eggs are more plentiful and taste better	1.00 Loan	5
Psoroptic-Sheep and Cattle Scabies	F	10 Min C	Covers diagnosis, treatment, and prevention of mange in cattle and sheep	1.00 Loan	5
The Rumen Story	F	28 Min C	Shows the interior of the rumen in action, and points up the importance of a balanced ration	1.00 Loan	5
The Story of Breeds	F	25 Min C	Shows advantages of 28 livestock breeds - beef dairy, hogs, and sheep	Free Loan	16
Tomorrow's Foodpower	F	27 Min C	Tells the story of animal agriculture and the part the soybean has played in its advances	Free Loan	17
Your Meat Inspection Service	F	28 Min C	Covers the purposes and activities of the meat inspection program	1.00 Loan	5
Carcasses and Cuts of Meat	S	24 Slides	Descriptive Title	7.50	9
On-The-Farm Feedmaking Makes Cents	F	15 Min. C	Homes Grinding and mixing of feed is topic	Free Loan	55

GENERAL ANIMAL SCIENCE

4. Commercial Materials (literature, charts, aids)

Title	Description	No. of Pages	Pub. Date	Cost	Source
** American Meat Institute Materials	Includes a listing and prices of the various bulletins, wall charts, folders, films, drawings, and teaching aids available	--	--	Free	20
** Colored Breed Study and Identification Kit	Contains 92 colored pictures of ideal-type animals of all breeds	--	--	7.50	73
** Free Booklets and Films	Contains a list of literature and films by Swift & Co. Also contains a list of teaching materials offered by American Meat Institute and National Livestock and Meat Board	10	--	Free	18
** Livestock (yearly edition)	A magazine published each year that covers the new material in the livestock industry	--	--	Free	69
** Livestock Marketing	A packet containing a 128 page manual and about 25 pamphlets and materials order forms. The manuel presents a 30 point lesson plan and supplement references	128	1966	3.65	2
** Meat Identification Kit	Contains 108 natural-color photographs of beef, pork, lamb, veal, and variety meats	--	--	7.50	73

General Animal Science continued

4. Commercial Materials (literature,charts,aids)

	Title	Description	No. of Pages	Pub. Date	Cost	Source
**	Nasco Agricultural Sciences Catalog	Catalog of materials on slides, filmstrips, supplies, equipment, transparencies, etc.	460	--	Free	22
**	Publication and Film Catalog of Meat	A complete price list of teaching aids on meats	25	--	Free	19
**	Meat Processing Plant Employee	Course of Study For Cooperative Training	--	1970	6.00	9
**	Farm Feed Processing	Economics of Portable Grinders-Mixers	20	1967	Free	55
**	Catalog of Teaching Materials	Units, Films,Slides etc.	21	1970-71	Free	3
**	Materials Listings	Genetics and A.I.	--	--	Free	42
*	Horses	Breeding,Judging Feeding, Management and Health	92	--	Free	47
*	Commercial Rabbit Raising	Rabbitary Management	79	--	Free	47
*	Raising Rabbits	Breeds, Breeding, Housing, and Feeding	31	--	Free	47
**	Catfish Culture	Reference Unit	--	1970	--	6

BEEF

1. Bulletins and Circulars

Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
* Basic Genetics	AS-348	--	1966	----	Free	1
* Beef Cattle Breeding	AB-286	43	1964	Tells methods and principles	.25	4
* Beef Cattle Breeds	VAS-1024	12	--	----	.15	3
* Beef Cattle Improvement	AS-328	--	1965	----	Free	1
* Beef Cow - Calf Production	AS-501	--	--	Covers management and feeding	.30	8
* Buying and Feeding Beef Cattle	VAS-1012	12	--	----	.15	3
* Cattle Feeding	449	35	1965	----	.20	8
* Cattle Grubs	E-14	--	1965	Covers identification and control	Free	1
* Cattle Lice	E-13	--	1966	Covers identification, damage, and control	Free	1
* Development of the Beef Cattle Industry	AS-327	--	1965	----	Free	1
* Feeder Cattle Management	EC-501	--	1961	----	Free	1
* Finishing Beef Cattle	Bul. 2196	30	1964	Contains a general information reference	--	4
* Fly Control on Beef Farms	E-12	--	1966	----	Free	1
* Forage Utilization Guidelines for Beef Cattle	AS-335	--	1965	----	Free	1

1. Bulletins and Circulars

Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
* The Future of the Beef Industry in Indiana	EC-300		1966	----	Free	1
* Improving Reproductive Efficiency in a Beef Cow Herd	AS-340	--	1966	----	Free	1
* Infectious Reproductive Problems of Cattle	VY-21	--	1965	----	Free	1
* Management and Nutrition of New Feeder Cattle	AS-341	--	1966	----	Free	1
* Managing Pastures for Beef Cattle	AS-357	--	1966	----	Free	1
* Modern Steer - Could You Tell One if You Saw One	AS-377	--	1968	Up-to-date reference on the selection of a modern beef steer	Free	1
* Stomach Worms of Cattle	VY-20	--	1965	Covers diagnosis, damage, and control	Free	1
** Urea of Beef Cattle	AS-344	--	1966	----	Free	1
* What are Production Records Worth?	AS-338	--	1966	----	Free	1
** Beef Cattle Production Testing Program	AS-503	--	--	----	.20	8

BEEF

2. Textbooks

	Title	Author	Year Pub.	Cost	Source
*	Approved Practices in Beef Cattle Production	Juergenson	1964	5.80	73
*	Beef Cattle	Snapp and Neuman	1960	9.50	78
*	Beef Cattle Production	Wagnon, Albaugh & Holt	1960	8.95	74
*	Beef Cattle Science	Ensminger	1960	8.60	73
*	Beef Production	Diggins and Bundy	1962	7.38	75
**	Nutrient Requirements of Beef Cattle	----	1963	1.50	11
*	Selection, Fitting, Showing Beef Cattle	Nordby and Lattig	1962	1.50	73
*	The Stockman's Handbook	Ensminger	1962	8.80	73

BEEF

3. Films, Filmstrips,and Slides

Title	Type	Length & Color	Description	Cost	Source
An Angus in Your Future	F	21 Min C	Explains how to select, feed, fit, and show a beef heifer	Free Loan	37
Be a Better Angus Judge	F	25 Min C	Shows correct beef type in steers and breeding animals	Free Loan	37
Beef Conformation	S	25 Frames	Story through slides and presentation	5.10	10
Beef Rings the Bell	F	28 Min C	Covers production, transportation, and marketing of western beef	Free Loan	30
Cattle Values in the Livestock Market	F	29 Min C	Explains shrinkage, price trends, grades and cuts of carcasses	Free Loan	22
Cutting and Boning a Forequarter of Beef	F	19 Min C	Shows how to cut, chill, quarter, trim and prepare meat for freezing	1.50 Loan	5
Cutting and Boning a Hindquarter of Beef	F	17 Min C	Shows how to separate the round from the loin and rump and prepare the meat for freezing	1.50 Loan	5
The Hereford Story	F	28 Min C	Shows adaptability of herefords in all climates	Free Loan	38
In Goods Hands	F	28 Min C	Covers selecting, housing, feeding, washing, clipping trimming, and showing animals	Free Loan	38
Meat on the Move	F	--	Covers modern meat handling	Free Loan	18

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Open Door to Greater Beef Profits	F	20 Min C	Describes new feeds and feeding practices	Free Loan	44
Outbreak	F	29 Min C	Documents the history of foot-and-mouth disease in the U.S.	1.00 Loan	5
Tomorrows Beef Today	F	45 Min C	Covers use of A.I., blood typing, progeny records, etc, for breeding superior animals	Free	35
Santa Gertrudis Breed	F	13 Min C	Story of How Breed was Created	Free	17
Santa Gertrudis Breeds Profits . . .	F	22 Min C	By Producing More Pounds at less cost.	Free	17
Corralling Shipping Fever	F	14 Min C	How-To-Do-It ! Colorful action.	Free	17
Judging Steers	S	26 Slides	With script	7.50	9
Hereford Type	S	13	Conference Results With Commentary	3.50 or 30 da. Free Loan	38
Learning To Judge	S	set	Points in Beef Cattle	Free Loan	71
You Stake in the Feedlot	F	--	Due for publication in 1971	Free Loan	48
Impact (#3940)	F	23 C	Story of Brahman Breed	Free Loan	26
Production Records - Your Biggest Advantage	F	30 C	Greater efficiency and increased income stories from actual breeders	Free Loan	37
What's New in Beef Production?	F	22 C	Preconditioning, cross-breeding and shipping fever are topics	Free Loan	34

4. Commercial Materials (literature, charts, aids)

Title	Description	No. of Pages	Pub. Date	Cost	Source
* The Brahman Handbook	Especially written for Vo-Ag: Covers history, characteristics, and performance of the breed	--	--	Free	39
* Angus Beef Chart	Shows the cuts of meat from a beef steer	--	--	Free	37
* Animal and Poultry Nutrition	Covers definitions, systems of the animal body, and fundamentals of animal nutrition	39	--	Free	49
* Breeder's Reference Guide	Covers register, transfer, sale terms, conditions, and the Angus Association rules and by-laws	72	1964	Free	37
* Cattle and Calves-Where They're Raised and Beef is Eaten	Illustrated booklet on beef cattle production and marketing	16	1965	Free	18
* The Future Cattleman	Covers origin of the Herefords, selection shelter, equipment, diseases, parasites, showing, and marketing.	79	--	Free	38
* Guide Lines Book	Contains history and information of the Polled Hereford breed	--	--	Free	48
* History of Aberdeen Angus Cattle	Covers history, origin and breed development	76	--	Free	37
* The How and Why of Beef A.I.	Covers the history and procedure of beef artificial insemination	23	--	Free	45

4. Commercial Materials (literature,charts,aids)

Title	Description	No. of Pages	Pub. Date	Cost	Source
* How to Get In the Winners' Circle - A Guide for Young Cattlemen	Covers shelter, selection, feeding, training, fitting, showing, and judging	24	--	Free	48
* Life At Its Best	Covers breeding and management	80	--	Free	37
* Livestock Prices -and What Causes Them to Change	Covers the story of supply and demand	12	--	Free	38
* Plan and Profit With Hereford	A booklet on the complete outline of all phases of beef cattle production	48	--	Free	38
* Rules and Regulations of American-International Charolais Association	Covers membership, registration, fees, transfer of animals, etc.	60	--	Free	46
* Selecting, Fitting, and Showing Beef	----	30	--	Free	47
* Shorthorn Polled Shorthorn Information Manual	Covers history, objectives, and promotional groups	24	--	Free	71
* Some Points to Consider When Judging Herefords	Covers the points on a score card	4	--	Free	38
* Star of Your Future	Covers selection, feeding and showing Angus Calves	32	--	Free	37
The Young Cattleman	Selecting, Fitting, and Showing Charolais	16	--	.10	46

DAIRY

1. Bulletins and Circulars

	Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
**	Animal Improvement Through Selection	AS-355	--	1966	----	Free	1
*	Basic Genetics	AS-348	--	1966	----	Free	1
*	Dairy Cattle Breeds	FI-443	16	1965	----	Free	4
*	Dairy Feeding Guidelines	DH-113	--	1966	----	Free	1
*	Dairy Judging Manual	DH-57	15	--	----	Free	1
**	Don't Contaminate Milk with Drugs or Pesticides	DH-110	--	1965	----	Free	1
*	Early Weaning of Dairy Calves	DH-86	--	1962	----	Free	1
**	Factors Affecting Cost of Producing Grade A Milk in the Louisville Milkshed	RB-767	--	1963	A breakdown of the costs of producing Grade A milk	Free	1
*	Feeding Dairy Cattle	F-2153	32	1968	Covers requirements types of feed, and methods of feeding	Free	4
*	Fly Control on Dairy Farms	E-10	--	1966	Covers damage and controls	Free	1
*	Forage Feeding Guide for Dairy Cattle	DH-112	--	1965		Free	1
**	Good Feed Mixing Pratices	AS-349	--	1966	----	Free	1
*	Infectious Reproductive Problems of Cattle	VY-21	--	1965	----	Free	1
*	Liquid Manure Handling for Dairy Cattle	DH-114	--	1966	----	Free	1
*	Loose Housing for Calves	DH-48	--	1963	----	Free	1
*	Loose Housing for Dairy	ID-63	--	1965	----	Free	1
*	Milk Production Records Make Sense	DH-102	--	1964	Covers importance and basics of record keeping	Free	1

1. Bulletins and Circulars

	Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
*	Milking Machine Care	S.C.-97	--	1964	Discusses operation, care, and components of a milking machine	.05	7
*	Milking Machine Maintenance	DH-92	--	1964	----	Free	1
*	Milking Management and Mastitis	DH-91	--	1964	----	Free	1
*	Milking Machine Operation	DH-90	--	1964	----	Free	1
**	Nitrate Poisoning - Causes and Effects	DH-100	--	1964	----	Free	1
*	Producing Good Flavored Milk	DH-108	--	1965	Covers feed and other management factors that can cause poor flavored milk	Free	1
*	Stomach Worms of Cattle	VY-20	--	1965	----	Free	1
*	Structure and Function of the Cow's Udder	DH-101	--	1964	----	Free	1
**	Supplying Energy for Milk Production	DH-109	--	1965	----	Free	1
**	Supplying Protein for Milk Production	DH-106	--	1965	----	Free	1
*	Tips on Feeding Newborn Calves	DH-88	--	1962	----	Free	1
**	Urea for Dairy Cattle	DH-84	--	1966	----	Free	1
**	Which A.I. Sire Should You Use?	DH-94	--	1964	----	Free	1
**	Tests for Mastitis	DH-93	--	1964	----	Free	1

1. Bulletins and Circulars

Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
** Milking Machines	DH-98	--	1964	----	Free	1
** Handling Loose Housing Manure	ID-74	--	1969	----	Free	1
** Developing a Modern Dairy Breeding Program	DS-485	--	--	----	.40	8
** Leukocyte Counts	DS-494	--	--	----	.15	8
** Unit Course Outline on Prevention of Mastitis	--	36		Teacher's Instructional Unit	--	36

DAIRY

2. Textbooks

	Title	Author	Year Pub.	Cost	Source
*	Approved Practices in Dairying	Juergenson & Mortenson	1960	3.80	73
*	Dairy Cattle Feeding and Management	Reaves & Henderson	1963	9.95	78
*	Dairy Cattle in American Agriculture	Porter, et. al.	1965	5.50	76
*	Dairy Cattle Judging and Selection	1/app	1959	6.95	78
**	Dairy Cattle Judging Techniques	Trimberger	1958	7.95	75
*	Dairy Cattle Management	Wing	1963	9.75	96
*	Dairy Production	Diggins & Bundy	1961	7.38	75
*	Fitting and Showing Dairy Cattle	Spearing	1962	1.95	76
*	Handbook for Dairymen	Coletti	1963	5.50	90
**	Milk Production and Processing	Judkins and Keener	1960	8.50	78
*	Modern Dairy Cattle Management	Davis	1962	8.75	75
**	Nutrient Requirements of Dairy Cattle	----	1966	1.50	11
*	Selecting, Fitting and Showing Dairy Cattle	Nordby and Lattig	1961	1.40	73
**	Price List	Various Dairy Texts	--	Free	81

DAIRY

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Adventures in Dairyland	F	28 Min C	Shows the life of the farm family on a Wisconsin dairy farm	1.00 Loan	5
Animal Wonders	F	20 Min C	Shows different types of animal resulting from centuries of selection	Free Loan	25
Back the Attack on Brucellosis	F	27 Min C	Shows the damage, symptoms, control, and eradication of this disease	1.00 Loan	5
Control and Prevention of Mastitis	F.S.	20 Min C	Covers causes and prevention of mastitis in dairy cows	Free Loan	23
Correct Milking	F	22 Min C	Shows the milking procedure from preparation of the cow to washing the milker.	1.50 Loan	5
Dairy Cattle Sterility	S	45 Frames C	Slides that correspond to the lessons in the Hoard's Dairyman Book-"Dairy Cattle Sterility"	6.50	2
Dynamic Dairying	F	16 Min C	Shows loose housing, milking parlors, and efficient management	Free Loan	17
Exposed	F	15 Min C	Shows a "hidden brucellosis shedder" and how this cow was located in a problem herd	1.00 Loan	5
From Cow to Carton	F	20 Min C	Animated cartoon telling the marvels of the modern dairy industry	Free Loan	26
Grade "A" All The Way	F	25 Min C	Covers the use of modern equipment, cow management, and sanitation (1962)	Free Loan	27

Dairy continued

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Labor Saving On Your Dairy Farm	F	10 Min B & W	Shows a modernization program on a small dairy farm	1.50 Loan	5
Look Who's Talking	F	20 Min C	Tells of the dairy farmer's ability to produce and his need to develop real selling power	Free Loan	26
Making Minutes Count in Care of the Dairy Herd	F	28 Min B & W	Shows a time study on care of the dairy herd	1.00 Loan	5
Making the Certificate of Registry Mean More	F	20 Min C	Gives aims and activities of the Holstein-Friesian Association	Free Loan	29
Mastitis Is Your Problem	F.S.	25 Min C	Presents ways to combat mastitis in the dairy herd	Free Loan	24
More Profit Per Acre	F	20 Min C	Shows importance of feeding, breeding, management, and milking skills	1.00 Loan	5
National Dairy Cattle Congress	F	27 Min B & W	Gives origin and traits of the major dairy breeds	1.00 Loan	5
New Horizons Along The Milky Way	F	26 Min C	Shows importance, advancement, feeding, milking, processing, and sanitation of milk production	Free Loan	30
Of Men and Cattle	F	22 Min C	Shows the value of proper feeding	1.00 Loan	5
Quality Milk Production	F	35 Min B & W	Shows proper management of the dairy herd and handling of milk	1.00 Loan	5
Raising Dairy Calves	F	10 Min C	Shows the raising of calves for herd replacement	Free Loan	30

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Reminder to Dairymen	F	9 Min C	Shows milk as it comes from the udder into a milking machine	Free Loan	24
Selecting and Judging Guernseys	F.S.	20 Min C	Covers selection, judging, and classifying registered Guernseys	Free Loan	25
The Story of Vacuum	F.S.	18 Min C	Shows the role played by vacuum in the milking of a cow	Free Loan	24
Surge Sanitation Program	F.S.	15 Min C	Reviews the proper sanitary care of dairy equipment	Free Loan	24
This is the Dairy Industry	F	23 Min C	Points out importance of the dairy industry	1.00 Loan	5
Today's Calf - Tomorrow's Car	F	15 Min C	Emphasizes proper breeding, feeding, and management of the dairy calf	1.00 Loan	5
Triple Threat of Brucellosis	F	27 Min C	Tells the story of brucellosis and its recommended control and eradication	1.00 Loan	5
Profitable Ideas for Dairymen	F	12 Min C	Push-button feeding and mastitis control	Free Loan	34
The Big Brown Cow	F	27 Min C	History of Brown Swiss with present day breed improvement programs	Free Loan	35
Science of Profitable Dairying	F	28 Min C	Udder removed and made to function indepent of animals body. Study response of mammary system to nutrients, hormones, and milking process.	Free Loan	49

DAIRY

4. Commercial Materials (literature, charts, aids)

	Title	Description	No. of Pages	Pub. Date	Cost	Source
**	Current Concepts of Bovine Mastitis	----	32	1965	.05	34
*	Dairy Cattle Sterility	Goes along with teaching manual	48	1964	.50	32
*	Dairy Foods in the U.S.A.	Shows importance of milk and the route it takes from farm to family	10	1964	Free	54
**	History of Ice Cream	Tells history of ice cream	--	--	Free	31
*	Illustrated Lessons in Milking Shorthorn Judging	Contains a pictorial clarification of good and bad points	22	--	Free	50
*	Judging Registered Holstein-Friesian Cattle	Includes a scoreboard with pictures for illustrations	24	1963	Free	29
*	Loose Housing	Contains requirements and advantages of a loose housing system for milk cows	--	--	Free	53
*	The Modern Way to Efficient Milking	Contains a summary of uniform recommendations by milking machine manufacturers concerning the machine, the cow, and the operator	34	--	1.00	33
**	Milk Processing Plant Employee	Cooperative Training Course of Study	--	--	6.35	9
**	Dairy Farm Worker	Cooperative Training Course of Study	--	--	4.45	9

4. Commercial Materials (literature,charts,aids)

	Title	Description	No. of Pages	Pub. Date	Cost	Source
**	Teaching Manual of Dairy Cattle Sterility	Includes unit lesson plans	16	1964	Free	32
*	Today's Dairy Foods	Booklet about milk, cheese, ice cream, and butter as we know them today	16	--	Free	54
*	The Why and How of the Complete Cow	Covers A.I. in the dairy industry	31	--	Free	45
*	Calf Plan	Selecting, Feeding, and Showing Dairy Cattle	35	--	Free	47
**	Hoard's	Dairy Farm Accounts and Records	64	--	.25	32
**	Hoard's	Dairy Herd Health Guide	128	1970	.25	32
**	Hoard's	Dairy Feed Guide	64	1970	.25	32
**	Hoard's	Dairy Judging Guide	36	1970	.50	32
*	Harvesting Your Milk Crop	Mechanical and Physical factors of Machine Milking efficiency	76	--	1.00	24
*	The Way Cows Will Be Milked on Your Dairy Tomorrow (7th Edition)	Dairy Operation Design	72	--	1.00	24

POULTRY

1. Bulletins and Circulars

	Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
*	The Avian Embryo	MM-207	26	1965	----	.30	8
*	Genetics; Breeding of Chickens	MM-211	16	1963	----	.25	8
**	Costs of Egg Production and Pullet Growing Operations	EC-284	--	1964	Gives a cost breakdown	Free	1
*	Culling Hens	FB-2216	10	1966	----	--	4
*	Farm Poultry Management	FB-2197	32	1964	Explains feeding, watering, brooding, pullets, egg and meat production, and pests	--	4
*	Good Feed Mixing Practices	AS-349	--	1966	----	Free	1
*	Growing Broilers in Indiana	P-82	--	1962	----	Free	1
*	Indiana Egg Production Past, Present, and Future	EC-503	--	1961	----	Free	1
*	Intestinal Coccidiosis of Chickens - How To Control It	Leaf.-402	--	1964	Explains, diagnosis, handling an outbreak, and prevention	.05	4
**	Keeping Layers in Cages	P-83	16	1964	----	Free	1
*	Marketing Indiana Fresh Fancy Eggs	P-79	--	1964	----	Free	1
*	Marketing Poultry Meat	MM-237	23	1964	----	.35	8
*	Poultry Lice, Mites, and Flies	E-68	--	1963	Covers damage and control	Free	1

Poultry continued

1. Bulletins and Circulars

	Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
**	1969 Report of Egg Production Tests	ARS-44-79-7	--	1967	Shows results of tests throughout the U.S.	Free	14
*	Why Egg Size Varies	P-88	--	1966	----	Free	1
**	Egg Sweating Problems	P-87	--	1965	----	Free	1
**	Poultry Judging	--	--	--	----	2.00	2
**	Management of Laying Flock	MM-213	--	--	----	.20	8
**	Marketing Eggs	MM-238	--	--	----	.55	8
**	Poultry Brooding Equipment	L-62	--	--	----	.15	8
**	Poultry Diseases	MM-215	--	--	----	.30	8
**	Poultry Housing	MM-212	--	--	----	.30	8
**	Poultry Nutrition, Feeding	MM-214	--	--	----	.40	8
*	Commercial Broiler Broiler	320	56	1967	Management	Free	14

POULTRY

2. Textbooks

	Title	Author	Year Pub.	Cost	Source
*	Approved Practices in Poultry Production	Biddle & Juergenson	1963	3.80	73
**	Nutrient Requirements of Poultry	----	1960	1.00	11
*	Poultry Production	Card & Nesheim	1966	8.50	80
*	Poultry Production	Bundy & Diggins	1960	7.35	75
*	Poultry: Science and Practice	Winter and Funk	1960	7.95	
*	The Scientific Feeding of Chickens	Titus	1961	3.80	73
*	Selecting, Fitting, Showing Poultry	Nordby and Lattig	1964	1.40	73
**	Standard of Perfection	American Poultry Association	--	8.50	73
*	Your Future in Poultry Farming	Goodman and Tudor	1960	7.68	75

POULTRY

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Design for More Eggs	F	13 Min C	Shows breeding and culling methods	Free	30
More Money for Your Eggs	F	25 Min C	Shows a complete program for the production of clean, premium eggs	1.00 Loan	5
A Place in the Sun	F	18 Min C	Presents the new solar chicken houses that poultry farmers are now using to make full use of the sun's ray	1.00 Loan	5
Portrait of Modern Egg Layer Research	F	15 Min C	Shows the use of a single male chicken to develop profitable layers for today's poultryman	Free Loan	17
Today's Chicks	F	18 Min C	Presents the basic operations of the National Poultry Improvement Plan	2.75 Loan	5
Broiler Country	F	18 Min C	Brooding, Housing, Ventilation, Sanitation, Disease control, and Marketing are topics	Free	70

POULTRY

4. Commercial Materials (Literature,charts,aids)

Title	Description	No. of Pages	Pub. Date	Cost	Source
* Fresh Approach to Laying House Profit	Tells how to increase chances for top performance by dealing with stress problems	50	--	Free	43
* Poultry Health Manual	Covers diseases, parasites, and disorders of poultry	62	--	Free	51
* Pullet Health Pointers	Disease and Parasite Control	--	--	Free	70

SHEEP

1. Bulletins and Circulars

	Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
*	Accelerated Lambing Program	AS-329	--	1965	----	Free	1
*	Caring For the Sheep Breeding Flock	VAS-1001	8	--	----	.10	3
*	Diseases of Sheep	VAS-1004	12	--	----	.15	3
*	The Ewe and Her Lamb	VAS-1011	8	--	Covers care and management	.10	3
*	Internal Parasites of Sheep	VAS-1005	8	--	----	.10	3
*	Feeding and Managing the Ewe Flock During the Winter	AS-189	--	1962	----	Free	1
*	Good Feed Mixing Practices	AS-349	--	1966	----	Free	1
*	Internal Parasites of Sheep	VY-27	4	1967	----	Free	1
*	The Nutrition of Sheep	AS-317	--	1964	----	Free	1
**	Purdue 58 Lamb Pellet	AS-367	4	1967	Covers the new complete concentrate - roughage pellet for fattening lambs	Free	1
*	Selecting and Purchasing Sheep	VAS-1003	8	--	----	.10	3
*	Shearing Sheep	AS-193	--	1962	----	Free	1

Sheep continued

1. Bulletins and Circulars

Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
* The Sheep Enterprise	VAS-1031	4	--	Covers management and importance	.05	3
* Sheep Management Before the Breeding Season	AS-176	--	1964	----	Free	1
* Sheep Ticks	E-16	--	1964	Covers damage and control	Free	1
* Foot Rot of Sheep	F-2206	--	--	-----	Free	8

SHEEP

2. Textbooks

Title	Author	Year Pub.	Cost	Source
* Approved Practices in Sheep Production	Juergenson	1963	3.80	73
** Nutrient Requirements of Sheep	----	1964	1.50	11
* Selecting, Fitting, Showing Sheep	Nordby and Lattig	1962	1.40	73
* Sheep and Wool Science	Ensminger	1964	6.75	73
* Sheep Production	Diggins and Bundy	--	7.35	75

SHEEP

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Culling Sheep	F	10 Min C	Shows methods for improving the flock for wool and meat production	Free Loan	30
Sheepman U.S.A.	F	27 Min C	Tells the story of modern sheepmen	Free Loan	
Sheep Meet the Challenge	F	28 Min C	Covers the use of lamb and wool and the modern sheep production enterprise of the west	Free Loan	30
Sheep Shearing	F	20 Min B & W	Shows the proper method of shearing and trying wool	1.50 Loan	5
Story of Sheep	F	25 Min C	Covers the history of sheep raising	Free Loan	16
Winning the Worm War	F	25 Min C	Covers ewe selection handling, lambing, and other management factors	Free Loan	44
Lamb Grading	S	30 Slides	Set of 2 x2 slides	8.15	9
Films and Filmstrips	F and FS	--	Catalog	Free	41

4. Commercial Materials (literature,charts, aids)

Title	Description	No. of Pages	Pub. Date	Cost	Source
* Columbia Sheep	Contains rules for registry and standard of excellence	20	--	Free	58
* Corriedale	Shows correct type and standard of excellence	28	--	Free	57
* Educational Pamphlets - American Sheep Producers Council	Contains 9 pamphlets including wool and fabric terms, history of sheep, breeds grades of wool, and herd management	--	--	Free	41
* Hampshire Sheep	Contains breed history and standard of excellence	--	--	Free	56
* Selecting, Fitting and Showing Sheep	Covers breeds, judging, selection fitting, and showing	31	--	Free	47
* Shropshire Guide for Judging	Contains a pictorial judging page with reasons for placing, and the standard of excellence	4	--	Free	60
* Standard of Excellence for Southdown Sheep	----	--	--	Free	59
** Sunbeam - Stewart Self - Teaching Shearing Wall Chart	24" x 36" chart that shows in pictures the way to shear sheep	--	--	.50	61

SWINE

1. Bulletins and Circulars

Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
* Agricultural Chemicals for Swine	AS-346	--	1966	----	Free	1
* Balanced Rations for Swine	AS-350	--	1966	----	Free	1
* Care and Management of the Sow Herd	AS-311	--	1964	----	Free	1
* Care for the Sow and Litter at Farrowing Time	VAS-1037	8	--	----	.10	3
* Caring for the Swine Herd During Breeding and Gestation	VAS-1034	4	--	----	.05	3
* Comparison of Swine Growing - Finishing Building Systems	RB-816	--	1966	----	Free	1
* Digestion - The Coversion of Feed to Pork	AS-321	--	1964	Explains the different steps of digestion	Free	1
* Diseases Affecting Swine Reproduction	VY-17	--	1964	Covers damage and control	Free	1
** Economic Analysis of Keeping Sows for Various Numbers of Litters	EC-295	--	1964	----	Free	1
* Energy for Swine	AS-345	--	1966	----	Free	1
* Environmental Influences on Swine Production	AS-325	--	1965	----	Free	1
* Evaluation of Swine Carcasses	AS-356	--	1966	Covers what is desired in a pork carcass	Free	1
* Feeds and Feeding Swine	VAS-1036	12	--	----	.15	3

Swine continued

1. Bulletins and Circulars

	Title	Type & No.	No. of Pages	Pub. Date	Comments	Cost	Source
*	Good Feed Mixing Practices	AS-349	--	1966	----	Free	1
*	Hog Breeding Facts	AS-310	--	1964	----	Free	1
*	Hog Castration	L-473	--	1960	----	Free	4
*	Hog Farrowing Systems	AS-309	--	1964	----	Free	1
*	Hog Lice and Mange	E-15	--	1966	Covers damage and control	Free	1
*	Hog Selection and Culling	AS-312	--	1964	----	Free	1
*	Protein for Swine	AS-337	--	1966	----	Free	1
*	Reproductive Organs of the Boar and Sow	AS-320	--	1965	----	Free	1
*	Scales - A Valuable Tool in Swine Production	AS-217	--	1965	----	Free	1
*	Selecting and Purchasing Hogs	VAS-1033	8	--	----	.10	3
**	Slatted Floors for Swine Production	RB-762	--	1963	----	Free	1
*	The Swine Enterprise	VAS-1029	8	--	General information	.10	3
*	Swine Sanitation	As-324	--	1965	----	Free	1
*	Water - Its Importance in Swine Nutrition	AS-322	--	1964	----	Free	1
*	Life Cycle Swine Nutrition	AS-90	22	1965	----	.20	10

SWINE

2. Textbooks

	Title	Author	Year Pub.	Cost	Source
*	Approved Practices in Swine Production	Juergenson and Cook	1962	3.80	73
**	Diseases of Swine	Dunne	1964	23.00	76
**	Nutrient Requirements of Swine	----	1964	1.50	11
*	Selecting, Fitting, Showing Swine	Nordby and Lattig	1961	1.40	73
*	Swine Production	Carroll, Krider, and Andrews	1962	9.50	82
*	Swine Production	Bundy and Diggins	1963	7.83	75
*	Swine Science	Ensminger	1961	8.60	73

SWINE

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Brucellosis in Swine	F	21 Min C	Shows infected animals and evidence of the disease	3.50 Loan	5
Film Listing	F	--	Complete list of life-cycle and production films	Free Loan	70
Gestation Lactation Period Management of Sows and Gilts	S	23 Frames C	A series that considers both feeding and management	3.75	2
Hog Grading	F	14 Min C	Shows methods of determining both carcass and on-foot grades	Free Loan	44
Hog Sense	F	25 Min C	Covers breeding, raising, and marketing of swine	Free Loan	30
Leaner Hogs and Longer Profits	F	29 Min C	Covers meat-type hog production	Free Loan	22
Life Cycle Housing for Hogs	F	19 Min C	Shows the different housing systems	1.00	5
Modern Trends in Swine Production	F	16 Min C	Includes breeding, feeding, equipment, and housing	Free Loan	28
A New Era in Swine Production	F	13 Min C	Shows the surgical birth of pigs by Caesarean section from start to finish	Free Loan	40
Reproduction Among Mammals	F	10 Min B & W	Tells the story of the embryology of the pig	1.75	5
Saving Little Pigs	F	10 Min C	Shows care and preparation of the sow for approaching confinement period	Free Loan	30

Swine continued

3. Films, Filmstrips, and Slides

Title	Type	Length & Color	Description	Cost	Source
Victory Over Scours	F	15 Min C	Discusses scours in the hog business	Free Loan	17
Why Breed Better Hogs	F	8½ Min C	Yorkshire Breed	Free Loan	62
Appraising Market Hogs For Carcass Merit	S	30 S	Live - Carcass Comparisons	4.75	2
Swine Digestion	S	12 C	Digestive Process	2.00	2
Pork Production Ideas for Today and Possibilities for Tomorrow	F	10½ Min C	Breeding and "Automated" Sow	Free Loan	34

SWINE

4. Commercial Materials (literature, charts,aids)

	Title	Description	No. of Pages	Pub. Date	Cost	Source
*	Berkshire Hogs	Contains history and standard of excellence	12	--	Free	63
*	Hampshire Judging Circular	Contains pictures of judging and standard of excellence	12	--	Free	65
**	Listing of Material	Various commercial materials available	--	--	Free	70
*	Poland China Picture Judging Sets	A picture set for beginners and standard of excellence	--	--	1.00	64
*	The Purina Hog Book	Contains feeding and management tips	47	--	Free	49
*	Reference Materials from Chester White Ass'n.	Standard of excellence and other educational materials available.	--	--	Free	74
*	Reference Material from Duroc Ass'n.	Standard of excellence and other educational materials available	--	--	Free	68
*	Reference Material from Landrace Ass'n.	Standard of excellence and other educational materials available	--	--	Free	72
*	Reference Material from Spotted Ass'n.	Standard of excellence and other educational materials available	--	--	Free	66
*	Reference Material from Tamworth	Standard of excellence and other material available	--	--	Free	52
*	Swine Judging Guide	Contains various judging classes with reasons	12	--	Free	62
**	Wall Charts	Various subject matters are well illustrated in successful farming	--	--	Free	69

EDUCATIONAL INSTITUTION SOURCES

1. Agricultural Publications
   A.E.S. Building
   Purdue University
   Lafayette, Indiana 47907

2. Instructional Materials Service
   Dept. of Agricultural Education
   2120 Fyffe Road
   Columbus, Ohio 43210

3. Vocational Agriculture Service
   College of Agriculture
   434 Mumford Hall
   Urbana, Illinois 61801

4. Publications Divisions
   Office of Information
   U.S. Dept. of Agriculture
   Washington, D.C. 20250
   (Source for free single copies up to 100)
   or
   Superintendent of Documents
   U.S. Government Printing Office
   Washington , D.C. 20402
   (Source for sale of multiple copies of same bulletin)

5. Purdue Audio Visual Center
   Purdue University
   Lafayette, Indiana 47907

6. Mississippi State University
   Agriculture Education Dept.
   Subject Matter Service
   Jackson, Mississippi 39205

7. University of Wisconsin
   Ag. Extension Service
   College of Agriculture
   Madison, Wisconsin 53715

8. Extension Office of Information
   Ohio State University
   2120 Fyffe Road
   Columbus, Ohio 43210

9. Agricultural Education Dept.
   Teaching Materials Center
   Texas A & M University
   College Station, Texas 77843

10. Iowa State University
    Extension Service
    Ames, Iowa 50010

11. National Academy of Sciences
    National Research Council
    2101 Constitution Avenue
    Washington, D. C. 20418

12. American Society of Ag. Engineers
    St. Joseph, Michigan 49085

13. American Dairy Goat Assn.
    Box 186
    Spindale, North Carolina 28160

14. Poultry Research Branch
    Ag. Research Center
    Beltsville, Maryland 20705

15. Farm Building Plan Service
    Dept. of Ag. Engineering
    Purdue University
    Lafayette, Indiana 47907

COMMERCIAL SOURCES OF MATERIALS

16. Texaco Inc.
Sales Promotion Manager
322 South Michigan Avenue
Chicago, Illinois 60604

17. Farm Film Foundation
1425 H Street N.W.
Washington, D.C. 20000

18. Swift and Company
Public Relations Dept.
115 W. Jackson Blvd.
Chicago, Illinois 60604

19. National Livestock and Meat Board
36 South Wabash Avenue
Chicago, Illinois 60604

20. American Meat Institute
59 East Van Buren Street
Chicago, Illinois 60605

21. Union Stock Yard and Transit Co.
Room 117, Exchange Building
Chicago, Illinois 60609

22. Nasco Company
Fort Atkinson, Wisconsin 53538

23. De Laval Separater Co.
Marketing Services
350 Dutchess Turnpike
Poughkeepsie, New York 12602

24. Babson Brothers Co.
Dairy Research Service
Film Department
2100 South York Road
Oak Brook, Illinois 60521

25. American Guernsey Cattle
Promotion Dept.
70 Main Street
Peterborough, New Hampshire
03458

26. Modern Talking Picture Service
102 East Vermont Street
Indianapolis, Indiana 46204

27. National Cooperatives, Inc.
Advertising Manager
408 First Avenue South
Albert Lea, Minnesota 56007

28. U.S. Steel Corporation
Chicago Film Distribution Center
208 South LaSalle Street
Chicago, Illinois 60690

29. Holstein-Friesian Ass'n. of America
Extension Department
Battleboro, Vermont 05301

30. Union Pacific Railroad
1416 Dodge Street
Omaha, Nebraska 68102

31. International Ass'n. of Ice Cream Manufacturers
1105 Barr Building
910 17th N.W.
Washington, D.C. 20006

32. Hoard's Dairyman
Fort Atkinson, Wisconsin 53538

33. Farm and Industrial Eqpt.
410 N. Michigan Avenue
Chicago, Illinois 60611

34. John Deere
201 S. Jefferson
St. Louis, Missouri 63103

35. The Venard Organization
113 North East Madison
Peoria, Illinois 61602

36. William C. Kahl,
Supt. Public Instruction
Div. of Instructional Services
Madison, Wisconsin 53703

37. American Angus Ass'n.
3201 Frederick Street
St. Joseph, Missouri 64501

38. American Hereford Ass'n.
Public Relations Department
Hereford Drive
Kansas City, Missouri 64105

39. American Brahman Breeder's Association
4815 Gulf Freeway
Houston, Texas 77002

40. Behlen Manufacturing Co.
Box 569
Columbus, Nebraska 68601

41. American Sheep Producer Council
520 Railway Exchange Bldg.
Denver, Colorado 80202

42. A.I. Digest
P. O. Box 328
Columbia, Missouri 65202

43. Hy-Line Poultry Farms
1206 Mulberry Street
Des Moines, Iowa 50309

44. Public Relations Dept.
Indiana Farm Bureau
Copperative Association, Inc.
47 South Pennsylvania Street
Indianapolis,Indiana 46209

45. Curtiss Breeding Service Inc.
Curtiss Farm
Cary , Illinois 60013

46. American-International Charolais Association
923 Lincoln Liberty Life Bldg.
Houston, Texas 77002

47. Albers Milling Company
800 West 47th Street
Kansas City, Missouri 64112

48. American Polled Hereford Ass'n.
4700 East 63rd Street
Kansas City, Missouri

49. Ralston Purina Company
Checker Board Square
St. Louis, Missouri 63199

50. American Milking Shorthorn Society
313 South Glenstone
Springfield , Missouri 65802

51. Whitmoyer Laboratories, Inc.
19 North Railroad Street
Nyerstown, Pennsylvania 17067

52. Tamworth Swine Ass'n.
Evansville, Indiana 47708

53. United States Steel Corp.
525 William Penn Place
P.O. Box 56
Pittsburg, Pennsylvania 15230

54. National Dairy Council
111 North Canal Street
Chicago, Illinois 60606

55. Gehl Bros. Manufacturing Co.
West Bend, Wisconsin 53095

56. American Hampshire Sheep Ass'n.
Stuart, Iowa 50250

57. American Corriedale Ass'n. Inc.
Box 29 C
Seneca, Illinois 61360

58. Columbia Sheep Breeders Ass'n.
P. O. Box 272
625 No. Sandusky Ave.
Upper Sandusky, Ohio 43351

59. American Southdown Breeders Ass'n.
212 South Allen Street
State College, Pennsylvania 16801

60. The American Shropshire Registry
Association, Inc.
P.O. Box 1970
Monticello, Illinois 61856

61. Sunbeam Corporation
5400 W. Roosevelt Road
Chicago, Illinois 60650

62. American Yorkshire Club, Inc.
1001 South Street
Lafayette, Indiana 47902

63. American Berkshire Ass'n.
601 West Monroe Street
Springfield, Illinois 62704

64. Poland China Record Ass'n.
501 E. Losey Street
P. O. Box 71
Galesburg, Illinois 61401

65. Hampshire Swine Registry
1111 Main Street
Peoria, Illinois 61606

66. National Spotted Swine Record
Bainbridge, Indiana 46105

67. Chester White Swine Record
Ass'n.
P. O. Box 228
Rochester, Indiana 46975

68. United Durve Swine Registry
237 Monroe Street
Peoria, Illinois 61614

69. Meredith Publishing Co.
Successful Farming
1716 Locust Street
Des Moines, Iowa 50303

70. Elanco Products Co.
Division of Eli Lilly and Co.
Indianapolis, Indiana 46206

71. American Shorthorn Ass'n.
8288 Hascall Street
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